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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.:

Agency Interest No.: 32494
Activity No.: PER20070001

Mr. Robert L. Hicks
Director, Southeast Region
Entergy New Orleans, Inc.
446 North Blvd.
Baton Rouge, LA 70802

RE: Part 70 Operating Permit, Michoud Electric Generating Plant, Entergy New Orleans, Inc., New Orleans, Orleans Parish, Louisiana

Dear Mr. Hicks:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2140-00014-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:sdp
cc: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
ENTERGY NEW ORLEANS, INC. - MICHoud ELECTRIC GENERATING PLANT
PROPOSED PART 70 AIR OPERATING RENEWAL/MODIFICATION, INITIAL CAIR
AND ACID RAIN RENEWAL PERMITS

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit renewal/modification, acid rain renewal and initial CAIR permits for Entergy New Orleans, Inc., 446 North Blvd. Baton Rouge, LA 70802 for the Michoud Electric Generating Plant. The facility is located at 3601 Paris Rd., New Orleans, Orleans Parish.

Entergy New Orleans, Inc. - Michoud Electric Generating Plant, an existing electric generating plant, requested a Part 70 air operating renewal/modification, initial CAIR and acid rain renewal permits,

Entergy New Orleans, Inc. proposes to modify the existing Part 70 air operating permit to remove all emission sources associated with the Phase I and Phase II of the re-powering project as this project did not take place. Entergy also proposes to revise the emission limits from the facility's remaining emission point sources (EQT 3, 5, 7 – 14) based on updated emission factors and/or current facility conditions.

The Part 70 air operating permit renewal/modification permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	3,301.95	2,218.37	-1,083.58
SO ₂	45,256.06	39,618.40	-5,637.66
NO _x	10,086.10	11,662.70	+1,576.60
CO	2,681.25	2,366.94	-314.31
VOC	172.18	196.88	+24.70
Toxic VOC*	-	98.33	+98.33**

*Toxic compounds include the following compounds that are above the Minimum Emission Rate (MER) listed in LAC 33:III Chapter 51.Table 51.1 & 51.2: Antimony (and compounds) - 1.32 tpy, Arsenic (and compounds) – 0.32 tpy, Cadmium (and compounds) – 0.100 tpy, Copper (and compounds) – 0.45 tpy Formaldehyde- 8.33 tpy, Manganese & manganese compounds – 0.76 tpy, Mercury (an compounds) – 0.032 tpy, Nickel (and compounds) – 21.32 tpy, Selenium (and compounds) – 0.17 tpy, Zinc (and compounds) – 7.35 tpy, n-Hexane – 50.72 tpy

**The increase of 98.33 tpy of Toxic VOC's is due to the reconciliation of emission rate factors and is not because of actual emission increases.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghoss at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, December 9, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit applications, proposed Part 70 air operating renewal/modification, initial CAIR, acid rain renewal permits and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at New Orleans Public Library, Headquarters, Louisiana Division, 219 Loyola Avenue, New Orleans, LA..

Inquiries or requests for additional information regarding this permit action should be directed to Sam Phillips, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3114.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permits and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify:

AI Number 32494, Permit Number 2140-00014-V1, Activity Number PER20070001 (Part 70 Air)
2140-00014-IRO, Activity Number PER20070002 (CAIR)
2140-00014-IV2, Activity Number PER20080002 (Acid Rain)

Publication dates:

November 5, 2008-The Advocate & Times Picayune
November 7, 2008 - The St. Bernard Voice

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**MICHOUD ELECTRIC GENERATING PLANT
AGENCY INTEREST NO.: 32494; PER20070001
ENTERGY NEW ORLEANS, INC.
NEW ORLEANS, ORLEANS PARISH, LOUISIANA**

I. Background

New Orleans Public Service, Inc. built the Michoud Electric Generating Plant in 1957 with operations commencing on April 18, 1957 for the 120 MW Unit #1 Boiler as a gas fired peaking unit. Boiler # 2 which is rated at 240 MW started operation on February 3, 1963. Boiler # 3 which is rated at 553 MW commenced operation on August 9, 1967, bringing the facility total electric generation to 913 MW. The facility is located in the eastern portion of the city of New Orleans at the junction of the Gulf Intracoastal Waterway and the Mississippi River Gulf Outlet Canal. The Michoud Electric Generating Plant operated under Permit No. 103, issued June 5, 1972. The facility was issued acid rain permit 2140-00014-IV0 on October 23, 1996. New Orleans Public Service, Inc. received an ownership name change on January 21, 1997 to be Entergy New Orleans, Inc. Currently the facility operates under Permit 2140-00014-V0 dated October 12, 2004.

This is the Part 70 operating permit renewal and modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Entergy New Orleans, Inc. dated April 11, 2007 requesting a Part 70 operating permit renewal and modification. Additional information dated September 10, 2007, May 1, 2008, May 30, 2008, and August 22, 2008 was also received.

III. Description

Michoud Electric Generating Plant is a fossil fueled steam/electric generation facility. The plant consists of three (3) electric generating units. Unit #1, #2 and #3 that can burn natural gas and No. 6 fuel oil or a combination of both. There are seven (7) storage tanks on site. Fuel combustion is the primary source of air emissions from the facility. The facility also has a 3,000-gallon Bromine storage tank.

Entergy New Orleans, Inc. proposes to modify its permit by removing all emission sources associated with the Phase I and Phase II of the re-powering project as this project did not take place. Entergy also proposes to revise emission limits from the facility's remaining emission point sources (EQT 3, 5, 7 - 14) based on updated emission factors and/or current facility conditions.

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Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	3,301.95	2,218.37	-1,083.58
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CO	2,681.25	2,366.94	-314.31
VOC	172.18	196.88	+24.70

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
1,1,1-Trichlorethane	—	0.08	+0.08
Antimony (and compounds)	—	1.32	+1.32
Arsenic (and compounds)	—	0.32	+0.32
Barium (and compounds)	—	0.65	+0.65
Benzene	—	0.08	+0.08
Beryllium (Table 51.1)	—	<0.01	<0.01
Cadmium (and compounds)	—	0.10	+0.10
Chromium VI (and compounds)	—	0.21	+0.21
Cobalt compounds	—	1.51	+1.51
Copper (and compounds)	—	0.45	+0.45
Dichlorobenzene	—	0.034	+0.034
Ethyl benzene	—	0.02	+0.02
Formaldehyde	—	8.33	+8.33
Lead compounds	—	0.38	+0.38
Manganese (and compounds)	—	0.76	+0.76
Mercury (and compounds)	—	0.03	+0.03
Naphthalene	—	0.19	+0.19
Nickel (and compounds)	—	21.32	+21.32
Phosphorus	—	2.39	+2.39
Polycyclic Organic Matter (POM)	—	0.33	+0.33

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LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Selenium (and compounds)	—	0.17	+0.17
Toluene	—	1.56	+1.56
Xylene (mixed isomers)	—	0.03	+0.03
Zinc (and compounds)	—	7.35	+7.35
n-Hexane	—	50.72	+50.72
Total	—	98.33	+98.33

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations. Prevention of Significant Deterioration, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

The Clean Air Interstate Rule (CAIR) applies to all electricity generating units with a capacity greater than 25 megawatts. The Environmental Protection Agency (EPA) plans by September 30, 2007 to record NO_x allowance allocations for individual emission sources. Allowance allocations will come directly from EPA. The LDEQ will have no role in allocations decisions. NO_x emission monitoring requirements begin in January 1, 2008. The following year, 2009, is the first year for which source operators must have an allowance to cover each ton of NO_x emissions. By March 31, 2010, source operators will have to show EPA that they have enough NO_x allowances to cover their 2009 emissions. Entergy New Orleans, Inc. submitted a CAIR application for the Michoud Electric Generating Plant dated June 29, 2007.

On July 11, 2008, the United States Court of Appeals for the District of Columbia Circuit (the Court) vacated and remanded EPA's CAIR rule (State of North Carolina V. EPA (No. 05-1244)); however, the Court has not yet issued a mandate to make its decision effective. In the event the decision becomes effective, no source covered by this permit shall be subject to the requirements of LAC 33:III.506 and 40 CFR 97. If the court decision becomes effective, the CAIR permit will be terminated and any specific conditions in the Title V permit implementing CAIR will be null and void and removed in the next permit modification.

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This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Per LAC 33:III.5105.B.2, electric utility steam generating units are exempt from the requirements from Subchapter A of Chapter 51.

Total hazardous air pollutant (HAP) emissions from the plant are above the major source threshold of 25 tons/yr. The plant is considered a major source of HAP. 40 CFR 63 Subpart UUUUU – National Emissions Standards for Electric Utility Steam Generating Units was proposed in December 2003. The Michoud Electric Generating Plant shall comply with this standard by the compliance date of this Subpart.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Type of Dispersion Modeling Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
SO ₂	3 hour	1031.24 µg/m ³	1300 µg/m ³
SO ₂	24 hr	357.83 µg/m ³	365 µg/m ³
SO ₂	Annual	63.01 µg/m ³	80 µg/m ³

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VIII. General Condition XVII Activities:

There are no General Condition XVII activities at this site.

IX. Insignificant Activities

ID No.:	Description	Citation
IA-01	Emergency Diesel Generator	Insignificant Activities per LAC 33:III.501.B.5.B.32.
IA-02	Lube Oil Storage Tanks (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-03	Used Oil Storage Tanks (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-04	Units 1 –2 Emergency Diesel Generator Tank (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-05	Unit 3 Emergency Diesel Generator Tank (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-06	Diesel Storage Tank (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-07	Kerosene Storage Tank (< 10,000 gallons, with vapor pressure < or = 0.5 psi)	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-08	Propane Storage Tank	Insignificant Activities per LAC 33:III.501.B.5.A.3.
IA-09	Comfort Air Conditioning and Heating	Insignificant Activities per LAC 33:III.501.B.5.B.17.
IA-10	Equipment Repair and Painting	Insignificant Activities per LAC 33:III.501.B.5.B.2.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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 AGENCY INTEREST NO.: 32494; PER2007001
 ENERGY NEW ORLEANS, INC.
 NEW ORLEANS, ORLEANS PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter														
		5▲	9	11	13	15	2103	2104*	2107	2111	2116*	22	29	51*	52	56
UNF 01	Unit Facility	1	1	1						1			1	2	1	1
EQT 3	C1A Unit 1 Boiler Stack A		1	1	1											
EQT 4	C1A Unit 1 Boiler Stack B			1	1	1										
EQT 5	C2A Unit 2 Boiler Stack A			1	1	1										
EQT 6	C2A Unit 2 Boiler Stack B			1	1	1										
EQT 7	C3 Unit 3 Boiler Stack			1	1	1										
EQT 8	T2 Unit 1 Fuel Oil Day Tank								3							
EQT 9	T3 Unit 2 Fuel Oil Day Tank								3							
EQT 10	T4 Fuel Oil Storage Tank #4								3							
EQT 11	T5 Fuel Oil Storage Tank #5								3							
EQT 12	T6 Fuel Oil Storage Tank #6								3							
EQT 13	T7 Fuel Oil Storage Tank #7								3							
EQT 14	T8 Unit 3 Fuel Oil Day Tank	-							3							

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements, which apply to this particular emission source, but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		K	Ka	Kb	Db	GG	KKK	A	M	V	A	Q	SS	VV	HHH	52	64	68	72-78							
UNF 01	Unit Facility							1												2	1	1				
EQT 3	C1A Unit 1 Boiler Stack A							3																		1
EQT 4	C1A Unit 1 Boiler Stack B							3																		1
EQT 5	C2A Unit 2 Boiler Stack A							3																		1
EQT 6	C2A Unit 2 Boiler Stack B							3																		1
EQT 7	C3 Unit 3 Boiler Stack							3																		1
EQT 8	T2 Unit 1 Fuel Oil Day Tank							3																		1
EQT 9	T3 Unit 2 Fuel Oil Day Tank							3																		1
EQT 10	T4 Fuel Oil Storage Tank #4							3																		1
EQT 11	T5 Fuel Oil Storage Tank #5							3																		1
EQT 12	T6 Fuel Oil Storage Tank #6							3																		1
EQT 13	T7 Fuel Oil Storage Tank #7							3																		1
EQT 14	T8 Unit 3 Fuel Oil Day Tank							3																		1

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KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF 01 Unit Facility	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III. Chapter 51]	EXEMPT. Per LAC 33:III.5105.B.2, Electric Utility Steam Generating Units are exempt from the requirements of this subchapter.
	Compliance Assurance Monitoring [40 CFR 64]	EXEMPT. No active controls are used.
EQT 3, 4, 5, 6, and 7 Boilers	Continuous Emission Monitoring [40 CFR 75]	EXEMPT. Per 40 CFR 75.14(c) the affected units are exempt from the opacity monitoring requirements of this part when firing natural gas. No active controls are used.
	Standards of Performance for Fossil Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971 [40 CFR 60, Subpart D]	DOES NOT APPLY. All three boilers were constructed before 1971. No modifications have been made since 1971.
EQT 8, 9, 10, 11, 12, 13, and 14 Storage Tanks	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and prior to May 19, 1978 [40 CFR 60, Subpart K]	DOES NOT APPLY. Units were constructed prior to June 11, 1971 and contain No. 6 fuel oil, which is not defined as a petroleum liquid.
	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Storage Vessels have a true vapor pressure less than 3.5 kPa (0.5 psia).

The above table provides an explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 11, 2007, along with supplemental information dated September 10, 2007; May 1, 2008; May 30, 2008, and August 22, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 32494 Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	LA05013	ADV#	Asbestos	01-31-2003
2140-00014		Entergy New Orleans Inc - Michoud Plant	CDS Number	08-05-2002
2140-0014	LAD000757567	Entergy New Orleans Inc - Michoud Plant	Emission Inventory	03-03-2004
	LA0004324	LPDES #	Hazardous Waste Notification	08-18-1980
			LPDES Permit #	11-21-1999
			Priority 2 Emergency Site	07-25-2006
			Solid Waste Facility No.	05-01-2001
GD-071-0158		Solid Waste ID #	TEMPO Merge	12-23-2000
67763		Michoud Generalizing Station	TEMPO Merge	05-13-2001
695		Entergy New Orleans Inc - Michoud Plant	Toxic Release Inventory	07-12-2004
70129NTRGY3601P		TRI #	UST FID #	10-11-2002
36006764		UST Facility ID (from UST legacy data)	Main Phone:	5042333000
Physical Location:				
Mailing Address:				
Location of Front Gate:				
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Robert Hicks	446 North Blvd Baton Rouge, LA 70802	2253815811 (WP)	Responsible Official for
	Robert Hicks	446 North Blvd Baton Rouge, LA 70802	2253815811 (WP)	Air Permit Contact For
	Rashid Johnson	639 Loyola Ave L-ENT-SE New Orleans, LA 70113	5045734928 (WP)	Emission Inventory Contact for
	Rashid Johnson	639 Loyola Ave L-ENT-SE New Orleans, LA 70113	john2@entergy.co	Emission Inventory Contact for
	Donald Moore	3601 Paris Rd New Orleans, LA 70129	5042533041 (WP)	Asbestos Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Entergy New Orleans Inc	PO Box 61000 Mail Unit L-ENT-5E New Orleans, LA 701611000	5042533000 (WP)	Operates
	Entergy New Orleans Inc	PO Box 61000 Mail Unit L-ENT-5E New Orleans, LA 701611000	5042533000 (WP)	Owns
	Entergy New Orleans Inc	3601 Paris Rd New Orleans, LA 70129		Accident Prevention Billing Party for
	Entergy New Orleans Inc	3601 Paris Rd New Orleans, LA 70129		UST Billing Party for
	Entergy New Orleans Inc	3601 Paris Rd New Orleans, LA 70129		Water Billing Party for
	Entergy New Orleans Inc	3601 Paris Rd New Orleans, LA 70129		Air Billing Party for
	Entergy New Orleans Inc	3601 Paris Rd New Orleans, LA 70129		Solid Waste Billing Party for

General Information

AI ID: 32494-Entergy New Orleans Inc - Michoud Plant
Activity Number: PER20070001
Permit Number: 2140-00014-V1
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AJ ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
EQT0003	C1A - Unit 1 Boiler Stack A		1394 MM BTU/hr	1162 MM BTU/hr		8760 hr/yr (All Year)
EQT0004	C1B - Unit 1 Boiler Stack B	5089.56 billion BTU/yr	581 MM BTU/hr	2280 MM BTU/hr		8760 hr/yr (All Year)
EQT0005	C2A - Unit 2 Boiler Stack A	3164 MM BTU/hr	1140 MM BTU/hr	5200 MM BTU/hr	Entire Phase 1	8760 hr/yr (All Year)
EQT0006	C2B - Unit 2 Boiler Stack B	3396.62 billion BTU/yr	68.26 MM gallons/yr			3055 hr/yr (All Year)
EQT0007	C3 - Unit 3 Boiler Stack	7205 MM BTU/hr				8760 hr/yr (All Year)
EQT0008	T2 - Unit 1 Fuel Oil Day Tank	21000 gallons	134.19 MM gallons/yr			8760 hr/yr (All Year)
EQT0009	T3 - Unit 2 Fuel Oil Day Tank	42000 gallons	518.49 MM gallons/yr			8760 hr/yr (All Year)
EQT0010	T4 - Fuel Oil Storage Tank #4	6.2 million gallons	518.49 MM gallons/yr			8760 hr/yr (All Year)
EQT0011	T5 - Fuel Oil Storage Tank #5	6.2 million gallons	518.49 MM gallons/yr			8760 hr/yr (All Year)
EQT0012	T6 - Fuel Oil Storage Tank #6	9.15 million gallons	518.49 MM gallons/yr			8760 hr/yr (All Year)
EQT0013	T7 - Fuel Oil Storage Tank #7	9.15 million gallons	518.49 MM gallons/yr			8760 hr/yr (All Year)
EQT0014	T8 - Unit 3 Fuel Oil Day Tank	84000 gallons	315.84 MM gallons/yr			8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (ft)	Discharge Area (square ft)	Height (feet)	Temperature (oF)
Entire Facility							
EQT003	C1A - Unit 1 Boiler Stack A	43.93	167700	9		164	299
EQT004	C1B - Unit 1 Boiler Stack B	43.93	167700	9		164	299
EQT005	C2A - Unit 2 Boiler Stack A	64.46	305580	10		186	237
EQT006	C2B - Unit 2 Boiler Stack B	64.46	305580	10		186	237
EQT007	C3 - Unit 3 Boiler Stack	57.75	1.5	23.5		172	270

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
CRG001	Common Requirements Group	
SCN001	Alternate Operating Scenario	C1A and C1B - Unit 1 (Stack A and B) Boiler Natural Gas Fired
SCN002	Alternate Operating Scenario	C1A and C1B Unit 1 - Boiler (Stack A and B) Fuel Oil Fired
SCN003	Alternate Operating Scenario	C2A and C2B Unit 2 - Boiler (Stack A and B) Natural Gas Fired
SCN004	Alternate Operating Scenario	C3 - Unit 3 Boiler Stack Natural Gas Fired
SCN005	Alternate Operating Scenario	C3 Unit 3 - Boiler Stack B Fuel Oil Fired
SCN006	Alternate Operating Scenario	C2A and C2B Unit 2 - Unit 2 Boiler (Stack A and B) Fuel Oil Fired
UNF001	Unit or Facility Wide	Entire Facility - Michoud Plant

INVENTORIES

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER2007001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
EQT0003	C1A - Unit 1 Boiler Stack A	CRG0000000001, SCN0000000001, SCN0000000002
EQT0004	C1B - Unit 1 Boiler Stack B	CRG0000000001, SCN0000000001, SCN0000000002
EQT0005	C2A - Unit 2 Boiler Stack A	CRG0000000001, SCN0000000003, SCN0000000006
EQT0006	C2B - Unit 2 Boiler Stack B	CRG0000000001, SCN0000000003, SCN0000000006
EQT0007	C3 - Unit 3 Boiler Stack	CRG0000000001, SCN0000000004, SCN0000000005

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1400	A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity)	678	MW
1420	C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	580	MW

SIC Codes:

4911	Electric services	AI32494
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
EQT 0003 C1A	47.85	57.42	209.57	182.05	218.46	698.57	34.05	40.86	149.14	608.11	729.74	2663.54	3.13	3.76	13.72
EQT 0004 C1B	47.85	57.42	209.57	182.05	218.46	698.57	34.05	40.86	149.14	608.11	729.74	2663.54	3.13	3.76	13.72
EQT 0005 C2A	93.88	156.36	411.20	357.20	690.00	1584.54	66.81	80.17	292.63	1193.20	1431.84	5226.22	6.15	10.24	26.92
EQT 0006 C2B	93.88	156.36	411.20	357.20	690.00	1584.54	66.81	80.17	292.63	1193.20	1431.84	5226.22	6.15	10.24	26.92
EQT 0007 C3	428.24	712.00	1125.40	1629.33	5852.40	7136.48	304.75	365.70	1334.83	5442.67	6531.20	23838.9	28.04	46.62	115.40
EQT 0008 12													0.001	0.004	0.004
EQT 0009 13													0.001	0.004	0.004
EQT 0010 14													0.01	0.03	0.04
EQT 0011 15													0.01	0.03	0.04
EQT 0012 16													0.01	0.04	0.06
EQT 0013 17													0.01	0.04	0.06
EQT 0014 18													0.001	0.005	0.004
SCN 0001 C1A and C1B	95.70	114.84	419.14	318.98	382.78	1397.14	8.66	10.38	37.92	0.68	0.82	3.00	6.26	7.52	27.44
SCN 0002 C1A and C1B Un	38.74	46.48	169.66	354.10	436.92	1594.72	68.10	81.72	298.28	1216.22	1459.48	5327.08	5.88	7.06	25.78
SCN 0003 C2A and C2B Un	187.76	312.72	822.40	500.00	2190.00	16.98	28.30	74.40	1.34	2.24	5.88	12.30	20.48	53.84	
SCN 0004 C3	428.24	712.00	1875.69	1135.00	5852.40	4971.30	38.75	64.42	169.30	3.06	5.09	13.40	28.04	46.62	122.82
SCN 0005 C3 Unit 3	173.33	268.00	759.20	1629.33	5852.40	7136.48	304.75	365.71	1334.83	5442.67	6531.20	23838.9	26.35	31.62	115.40
SCN 0006 C2A and C2B Un	76.00	126.58	332.88	714.40	1380.00	3129.08	133.62	160.34	535.26	2386.40	2883.68	10452.4	11.56	19.24	50.60

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 C1A	1,1,1-Trichloroethane	< 0.01	< 0.01	< 0.01
	Antimony (and compounds)	0.02	0.02	0.09
	Arsenic (and compounds)	0.005	0.01	0.02
	Barium (and compounds)	0.01	0.01	0.04
	Benzene	0.001	0.001	0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.002	0.002	0.007
	Chromium VI (and compounds)	0.003	0.004	0.01
	Cobalt compounds	0.02	0.03	0.10
	Copper (and compounds)	0.01	0.01	0.03
	Dichlorobenzene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.13	0.15	0.56
	Lead compounds	0.01	0.01	0.03
	Manganese (and compounds)	0.01	0.01	0.05
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	0.004	0.005	0.02
	Nickel (and compounds)	0.33	0.39	1.43
	Phosphorus	0.04	0.04	0.16
EQT 0004 C1B	Polycyclic Organic Matter (POM)	0.005	0.006	0.02
	Selenium (and compounds)	0.003	0.003	0.01
	Toluene	0.02	0.03	0.11
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	Zinc (and compounds)	0.11	0.14	0.49
	n-Hexane	1.03	1.23	4.49
	1,1,1-Trichloroethane	< 0.01	< 0.01	< 0.01
	Antimony (and compounds)	0.02	0.02	0.09
	Arsenic (and compounds)	0.005	0.01	0.02
	Barium (and compounds)	0.01	0.01	0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 C1B	Copper (and compounds)	0.01	0.01	0.03
	Dichlorobenzene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.13	0.15	0.56
	Lead compounds	0.01	0.01	0.03
	Manganese (and compounds)	0.01	0.01	0.05
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	0.004	0.005	0.02
	Nickel (and compounds)	0.33	0.39	1.43
	Phosphorus	0.04	0.04	0.16
	Polycyclic Organic Matter (POM)	0.005	0.006	0.02
	Selenium (and compounds)	0.003	0.003	0.01
	Toluene	0.02	0.03	0.11
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
EQT 0005 C2A	Zinc (and compounds)	0.11	0.14	0.49
	n-Hexane	1.03	1.23	4.49
	1,1,1-Trichloroethane	0.002	0.003	0.008
	Antimony (and compounds)	0.04	0.06	0.17
	Arsenic (and compounds)	0.01	0.01	0.04
	Barium (and compounds)	0.02	0.03	0.09
	Benzene	0.002	0.003	0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.003	0.004	0.01
	Chromium VI (and compounds)	0.01	0.01	0.03
	Cobalt compounds	0.05	0.07	0.20
	Copper (and compounds)	0.01	0.02	0.06
	Dichlorobenzene	0.001	0.002	0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
EQT 0006 C2B	Formaldehyde	0.25	0.36	1.10
	Lead compounds	0.01	0.02	0.05
	Manganese (and compounds)	0.02	0.03	0.10
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	0.01	0.01	0.04
EQT 0007 C2C	Nickel (and compounds)	0.64	0.93	2.81
	Styrene	0.01	0.01	0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 C2A	Phosphorus	0.07	0.10	0.31
	Polycyclic Organic Matter (POM)	0.01	0.01	0.04
	Selenium (and compounds)	0.01	0.01	0.02
	Toluene	0.05	0.07	0.21
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	Zinc (and compounds)	0.22	0.32	0.97
	n-Hexane	2.01	2.79	8.81
EQT 0006 C2B	1,1,1-Trichloroethane	0.002	0.003	0.008
	Antimony (and compounds)	0.04	0.06	0.17
	Arsenic (and compounds)	0.01	0.01	0.04
	Barium (and compounds)	0.02	0.03	0.09
	Benzene	0.002	0.003	0.007
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.003	0.004	0.01
	Chromium VI (and compounds)	0.01	0.01	0.03
	Cobalt compounds	0.05	0.07	0.20
	Copper (and compounds)	0.01	0.02	0.06
	Dichlorobenzene	0.001	0.002	0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.25	0.36	1.10
	Lead compounds	0.01	0.02	0.05
	Manganese (and compounds)	0.02	0.03	0.10
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	0.01	0.01	0.04
	Nickel (and compounds)	0.64	0.93	2.81
	Phosphorus	0.07	0.10	0.31
	Polycyclic Organic Matter (POM)	0.01	0.01	0.04
	Selenium (and compounds)	0.005	0.007	0.02
	Toluene	0.05	0.07	0.21
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	Zinc (and compounds)	0.22	0.32	0.97
	n-Hexane	2.01	2.79	8.81
EQT 0007 C3	1,1,1-Trichloroethane	0.01	0.01	0.04
	Antimony (and compounds)	0.18	0.30	0.80

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0007 C3	Arsenic (and compounds)	0.05	0.07	0.20
	Barium (and compounds)	0.09	0.13	0.39
	Benzene	0.01	0.02	0.03
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.01	0.02	0.06
	Chromium VI (and compounds)	0.03	0.04	0.13
	Cobalt compounds	0.21	0.31	0.91
	Copper (and compounds)	0.06	0.10	0.27
	Dichlorobenzene	0.01	0.01	0.03
	Ethyl benzene	0.002	0.003	0.01
	Formaldehyde	1.14	1.65	5.01
	Lead compounds	0.05	0.08	0.23
	Manganese (and compounds)	0.10	0.15	0.46
	Mercury (and compounds)	0.004	0.006	0.02
	Naphthalene	0.04	0.06	0.08
	Nickel (and compounds)	2.93	4.22	12.83
	Phosphorus	0.33	0.47	1.44
	Polycyclic Organic Matter (POM)	0.05	0.07	0.20
	Selenium (and compounds)	0.02	0.03	0.10
	Toluene	0.21	0.31	0.94
	Xylene (mixed isomers)	0.004	0.005	0.02
	Zinc (and compounds)	1.01	1.45	4.42
	n-Hexane	9.18	13.20	24.10
SCN 0001 C1A and C1B	Arsenic (and compounds)	< 0.01	< 0.01	0.01
	Barium (and compounds)	< 0.01	< 0.01	0.02
	Benzene	< 0.01	< 0.01	< 0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	< 0.01
	Cobalt compounds	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Dichlorobenzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.08	0.10	0.38
	Manganese (and compounds)	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0001 C1A and C1B	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	< 0.01	< 0.01
	Nickel (and compounds)	0.002	0.002	0.01
	Polycyclic Organic Matter (POM)	< 0.01	< 0.01	< 0.01
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Toluene	0.004	0.004	0.02
	Zinc (and compounds)	0.04	0.04	0.14
	n-Hexane	2.06	2.46	8.98
SCN 0002 C1A and C1B Unit 1	1,1,1-Trichloroethane	< 0.01	< 0.01	< 0.01
	Antimony (and compounds)	0.04	0.04	0.18
	Arsenic (and compounds)	0.01	0.01	0.04
	Barium (and compounds)	0.02	0.02	0.08
	Benzene	< 0.01	< 0.01	< 0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	0.02
	Cobalt compounds	0.04	0.06	0.20
	Copper (and compounds)	0.02	0.02	0.06
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.26	0.30	1.12
	Lead compounds	0.02	0.02	0.06
	Manganese (and compounds)	0.02	0.02	0.10
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	0.02	0.04
	Nickel (and compounds)	0.66	0.78	2.86
	Phosphorus	0.08	0.08	0.32
	Polycyclic Organic Matter (POM)	0.01	0.02	0.04
	Selenium (and compounds)	0.004	0.006	0.02
	Toluene	0.04	0.06	0.22
	Xylene (mixed isomers)	< 0.01	0.01	< 0.01
	Zinc (and compounds)	0.22	0.28	0.98
SCN 0003 C2A and C2B Unit 2	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01
	Barium (and compounds)	0.01	0.02	0.04
	Benzene	< 0.01	< 0.01	0.02

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0003 C2A and C2B Unit 2	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	0.02
	Cobalt compounds	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Dichlorobenzene	< 0.01	< 0.01	0.02
	Formaldehyde	0.16	0.23	0.74
	Manganese (and compounds)	< 0.01	< 0.01	< 0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	< 0.01	< 0.01
	Nickel (and compounds)	< 0.01	< 0.01	0.02
	Polycyclic Organic Matter (POM)	< 0.01	< 0.01	< 0.01
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Toluene	0.01	0.02	0.04
	Zinc (and compounds)	0.06	0.10	0.28
SCN 0004 C3	n-Hexane	4.02	5.60	17.62
	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01
	Barium (and compounds)	0.02	0.04	0.10
	Benzene	0.01	0.02	0.03
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.01	0.01	0.01
	Chromium VI (and compounds)	0.01	0.01	0.02
	Cobalt compounds	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	0.01	0.02
	Dichlorobenzene	0.01	0.01	0.02
	Formaldehyde	0.38	0.55	1.00
	Manganese (and compounds)	< 0.01	< 0.01	0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	0.01	0.01
	Nickel (and compounds)	0.01	0.02	0.03
	Polycyclic Organic Matter (POM)	< 0.01	< 0.01	< 0.01
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Toluene	0.02	0.03	0.05
	Zinc (and compounds)	0.15	0.25	0.39

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0004 C3	n-Hexane	9.18	13.20	24.12
SCN 0005 C3 Unit 3	1,1,1-Trichloroethane	0.01	0.01	0.04
	Antimony (and compounds)	0.18	0.26	0.80
	Arsenic (and compounds)	0.05	< 0.07	0.20
	Barium (and compounds)	0.09	0.13	0.39
	Benzene	0.01	0.01	0.03
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	0.01	0.02	0.06
	Chromium VI (and compounds)	0.03	0.04	0.13
	Cobalt compounds	0.21	0.31	0.91
	Copper (and compounds)	0.06	0.09	0.12
	Ethyl benzene	< 0.01	< 0.01	0.01
	Formaldehyde	1.14	1.65	5.01
	Lead compounds	0.05	0.08	0.23
	Manganese (and compounds)	0.10	0.15	0.46
	Mercury (and compounds)	< 0.01	0.01	0.02
	Nickel (and compounds)	2.93	4.22	12.83
	Phosphorus	0.33	0.47	1.44
SCN 0006 C2A and C2B Unit 2	Polycyclic Organic Matter (POM)	0.05	0.06	0.20
	Selenium (and compounds)	0.02	0.03	0.10
	Toluene	0.21	0.31	0.94
	Xylene (mixed isomers)	< 0.01	0.01	0.02
	Zinc (and compounds)	1.01	1.45	4.42
	1,1,1-Trichloroethane	< 0.01	0.01	0.02
	Antimony (and compounds)	0.08	0.12	0.34
	Arsenic (and compounds)	0.02	0.04	0.08
	Barium (and compounds)	0.04	0.06	0.18
	Benzene	< 0.01	< 0.01	0.02
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	0.01	0.02
	Chromium VI (and compounds)	0.02	0.02	0.06
	Cobalt compounds	0.10	0.14	0.40
	Copper (and compounds)	0.02	0.09	0.10
	Ethyl benzene	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0006 C2A and C2B Unit 2	Formaldehyde	0.50	0.72	2.20
	Lead compounds	0.02	0.04	0.10
	Manganese (and compounds)	0.04	0.06	0.20
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene	0.02	0.02	0.08
	Nickel (and compounds)	1.28	1.85	5.62
	Phosphorus	0.14	0.20	0.62
	Polycyclic Organic Matter (POM)	0.02	0.04	0.08
	Selenium (and compounds)	0.01	0.02	0.04
	Toluene	0.10	0.14	0.42
UNF 0001 Entire Facility	Xylene (mixed Isomers)	< 0.01	< 0.01	< 0.01
	Zinc (and compounds)	0.44	0.64	1.94
	1,1,1-Trichloroethane			0.076
	Antimony (and compounds)			1.32
	Arsenic (and compounds)			0.32
	Barium (and compounds)			0.65
	Benzene			0.079
	Beryllium (Table 51.1)			< 0.01
	Cadmium (and compounds)			0.094
	Chromium VI (and compounds)			0.21
UNF 0001 Entire Facility	Cobalt compounds			1.51
	Copper (and compounds)			0.45
	Dichlorobenzene			0.046
	Ethyl benzene			0.01
	Formaldehyde			8.33
	Lead compounds			0.39
	Manganese (and compounds)			0.76
	Mercury (and compounds)			0.02
	Naphthalene			0.29
	Nickel (and compounds)			21.31
UNF 0001 Entire Facility	Phosphorus			2.38
	Polycyclic Organic Matter (POM)			0.32
	Selenium (and compounds)			0.17
	Toluene			1.58

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001

Permit Number: 2140-00014-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	Xylene (mixed isomers)			0.02
	Zinc (and compounds)			7.34
	n-Hexane			66.86

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
Activity Number: PER20070001
Permit Number: 2140-00014-V1
Air - Title V Regular Permit Renewal

EQT0003 C1A - Unit 1 Boiler Stack A

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT0004 C1B - Unit 1 Boiler Stack B

- 4 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT0005 C2A - Unit 2 Boiler Stack A

- 7 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT0006 C2B - Unit 2 Boiler Stack B

- 10 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 32494 - Energy_New_Orleans_Inc - Michoud Plant
Activity Number: PER20070001
Permit Number: 2140-00014-V1
Air - Title V Regular Permit Renewal

EQT0006 C2B - Unit 2 Boiler Stack B

12 [LAC 33:III.1513.C]

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT0007 C3 - Unit 3 Boiler Stack

13 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

14 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

15 [LAC 33:III.1513.C]

Which Months: All Year Phases: Statistical Basis:

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

SCN0001 C1A and C1B - Unit 1 (Stack A and B) Boiler Natural Gas Fired

Group Members: EQT0003 EQT0004

16 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

17 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

18 [LAC 33:III.501.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

19 [LAC 33:III.507.H1.a]

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.

SCN0002 C1A and C1B - Unit 1Boiler (Stack A and B) Fuel Oil Fired

Group Members: EQT0003 EQT0004

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

SCN0002 C1A and C1B - Unit 1 Boiler (Stack A and B) Fuel Oil Fired

- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified
- Sulfur dioxide <= 2000 ppmv at standard conditions.
- Which Months: All Year Statistical Basis: Three-hour average
- Determine sulfur dioxide concentration in stack gases using the methods in LAC 33:11.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition.
- Sulfur dioxide: Permittee shall demonstrate compliance by monitoring input sulfur and calculating sulfur dioxide emissions.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA, on request.
- Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927.
- Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III Chapter 15.
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.
- 21 [LAC 33:III.1101.B]
- 22 [LAC 33:III.1313.C]
- 23 [LAC 33:III.1503.C]
- 24 [LAC 33:III.1503.D.1]
- 25 [LAC 33:III.1511.A]
- 26 [LAC 33:III.1513]
- 27 [LAC 33:III.1513]
- 28 [LAC 33:III.1513]
- 29 [LAC 33:III.501.C.6]
- 30 [LAC 33:III.507.H.1.a]
- 31 [LAC 33:III.507.H.1.a]

SCN0003 C2A and C2B - Unit 2 Boiler (Stack A and B) Natural Gas Fired

Group Members: EQT0005 EQT0006

SPECIFIC REQUIREMENTS

AI ID: 32494 - Energy New Orleans Inc - Michoud Plant
Activity Number: PER20070001
Permit Number: 2140-00014-V1
Air - Title V Regular Permit Renewal

SCN0003 C2A and C2B - Unit 2 Boiler (Stack A and B) Natural Gas Fired

32 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.

SCN004 C3 - Unit 3 Boiler Stack Natural Gas Fired

Group Members: EQT0007

37 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
Activity Number: PER20070001
Permit Number: 2140-00014-V1
Air - Title V Regular Permit Renewal

SCN0004 C3 - Unit 3 Boiler Stack Natural Gas Fired

- 40 [LAC 33:III.507.H.1.a]
 41 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.

SCN0005 C3 - Unit 3 Boiler Stack B Fuel Oil Fired

Group Members: EQT0007

- 42 [LAC 33:III.1101.B]
- 43 [LAC 33:III.1313.C]
- 44 [LAC 33:III.1503.C]
- 45 [LAC 33:III.1503.D.1]
- 46 [LAC 33:III.1511.A]
- 47 [LAC 33:III.1513]
- 48 [LAC 33:III.1513]
- 49 [LAC 33:III.1513]
- 50 [LAC 33:III.501.C.6]
- 51 [LAC 33:III.507.H.1.a]
- 52 [LAC 33:III.507.H.1.a]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Sulfur dioxide <= 2000 ppmv at standard conditions.

Which Months: All Year Statistical Basis: Three-hour average

Determine sulfur dioxide concentration in stack gases using the methods in LAC 33:III.1503.D Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring.

Compliance with 40 CFR 75.1(d)(2) shall be determined as compliance with this specific condition.

Sulfur dioxide: Permittee shall demonstrate compliance by monitoring input sulfur and calculating sulfur dioxide emissions.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.

SPECIFIC REQUIREMENTS

AI ID: 32494 - Energy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

SCN0006 C2A and C2B - Unit 2 Boiler (Stack A and B) Fuel Oil Fired**Group Members: EQT0005 EQT0006**

- 53 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide <= 2000 ppmv at standard conditions.
 Which Months: All Year Statistical Basis: Three-hour average
 Determine sulfur dioxide concentration in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition.
- 54 [LAC 33:III.1313.C] Sulfur dioxide: Permittee shall demonstrate compliance by monitoring input sulfur and calculating sulfur dioxide emissions.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA, on request.
- 55 [LAC 33:III.1503.C] Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927.
- 56 [LAC 33:III.1503.D.1] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.
- 57 [LAC 33:III.1511.A] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 58 [LAC 33:III.1513] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 59 [LAC 33:III.1513] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.
- 60 [LAC 33:III.1513]
- 61 [LAC 33:III.501.C.6]
- 62 [LAC 33:III.507.H1.a]
- 63 [LAC 33:III.507.H1.a]

CRG0001 AR - Acid Rain Requirements

Group Members: EQT0003 EQT0004 EQT0005 EQT0006 EQT0007

SPECIFIC REQUIREMENTS

AJ ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

CRG0001 AR - Acid Rain Requirements

- 64 [40 CFR 72.10(a)(2)] To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 72.10(a)(2)]. [40 CFR 72.10(a)(2)]
- 65 [40 CFR 72.10(a)(3)] Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.10(a)(2).
- 66 [40 CFR 72.10(a)(4)] Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)]. [40 CFR 72.10(a)(4)]
- The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MMBtu for NOX). [40 CFR 75.10(b)]. [40 CFR 72.10(b)]
- The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]. [40 CFR 72.10(c)]
- The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]. [40 CFR 72.10(d)]
- The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]. [40 CFR 72.10(f)]
- The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]. [40 CFR 72.10(g)]
- The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33.III.505, 40 CFR 72.9(a)(1)]. [40 CFR 72.9(a)(1)]
- 72 [40 CFR 72.9(a)(1)] Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33.III.505, 40 CFR 72.9(a)(2)]. [40 CFR 72.9(a)(2)]
- 73 [40 CFR 72.9(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant

Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

CRG0001 AR - Acid Rain Requirements

74 [40 CFR 72.9(b)]
 75 [40 CFR 72.9(c)(1)]

Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]. [40 CFR 72.9(b)]
 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the source's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the source and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [LAC 33:III.505, 40 CFR 72.9(c)(1)]. [40 CFR 72.9(c)(1)]

76 [40 CFR 72.9(c)(5)]
 An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]. [40 CFR 72.9(c)(5)]

77 [40 CFR 72.9(e)(1)]
 The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]. [40 CFR 72.9(e)(1)]

78 [40 CFR 72.9(e)(2)]
 The owners and operators of an affected source that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]. [40 CFR 72.9(e)(2)]

79 [40 CFR 72.9(f)(1)]
 Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.
 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:III.505, 40 CFR 72.9(f)(1)]

[40 CFR 72.9(f)(1)]
 The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(f)(2)]. [40 CFR 72.9(f)(2)]
 Measure and record SO₂ emissions by providing information satisfactory to the Administrator using the applicable procedures specified in appendix D to 40 CFR 75 for estimating hourly SO₂ mass emissions. [40 CFR 75.11(d)(2)]. [40 CFR 75.11(d)(2)]
 Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)]. [40 CFR 75.14(a)]
 Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements.

UNF0001 Entire Facility

84 [40 CFR 70.5(a)(1)iii]

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)iii]

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

UNF0001 Entire Facility

- 85 [40 CFR 70.6(a)(3)(iii)(A)]
 Submit Title V monitoring results report. Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 86 [40 CFR 70.6(a)(3)(iii)(B)]
 Submit Title V excess emissions report. Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 87 [40 CFR 70.6(c)(5)(iv)]
 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 88 [40 CFR 72.9(c)(1)]
 Entergy's Michoud plant shall secure one allowance for each ton of SO2 emitted per year. At the end of the year, each used allowance is retired and cannot be used again.

EPA will record allowance transfers that are used for compliance and ensure that Michoud's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)]
 Permittee shall comply with LAC 33:III.506 Clean Air Interstate Rule (CAIR) requirements and all the provisions of the CAIR NOx Federal Implementation Plan (FIP) 40 CFR Part 97, Subparts AA-HH, except for 40 CFR 97.141 and 97.142. [40 CFR 97.4, LAC 33:III.506.A]
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A-1-5.
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
 Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.

SPECIFIC REQUIREMENTS

AI ID: 32494 - Entergy New Orleans Inc - Michoud Plant
 Activity Number: PER20070001
 Permit Number: 2140-00014-V1
 Air - Title V Regular Permit Renewal

UNF0001 Entire Facility

- 98 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
 Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 99 [LAC 33:III.5901.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 100 [LAC 33:III.5907] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later.
 Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division.
- 101 [LAC 33:III.5911.A] Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate.
- 102 [LAC 33:III.5911.C] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A.D.
- 103 [LAC 33:III.919.D]